

APR 17 2002

INFORMATION DISCLOSURE CITATION

OMB No. 0651-0011

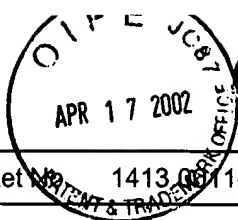
Atty. Docket No. 1413 MARK OFFICE	Appln. No. 09/408,716
Applicant Nancy MILLER et al.	
Filing Date September 30, 1999	Group: 2672

U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
<i>OSB</i>	5,047,842	September 1991	Bouman, Jr. et al.	358	78 515	
	5,121,337	June 1992	Brown	364 702	498 28	
	5,325,298	June 1994	Gallant	364 704	410 199	
	5,361,326	November 1994	Aparicio, IV et al.	395	706 21	44
	5,446,681	August 1995	Gethner et al.	364 702	554 27	
	5,506,937	April 1996	Ford et al.	395	706 12	11
	5,528,735	June 1996	Strasnick et al.	395 345	121 427	
	5,546,472	August 1996	Levin	382 345	131 427	382/131
	5,555,354	September 1996	Strasnick et al.	395 345	121 427	427
	5,623,679	April 1997	Rivette et al.	395	707 773	427
	5,623,681	April 1997	Rivette et al.	395 707	788 522	526
	5,625,767	April 1997	Bartell et al.	395 345	440 2600	
	5,659,766	August 1997	Saund et al.	395 704	759 9	
	5,671,381	September 1997	Strasnick et al.	395 707	618 848	
	5,675,788	October 1997	Husick et al.	395 707	618 104.1	
	5,687,364	November 1997	Saund et al.	395 704	605 5	
	5,692,107	November 1997	Simoudis et al.	395 706	50 12	
	5,696,963	December 1997	Ahn	395 707	605 5	
	5,721,903	February 1998	Anand et al.	395 707	605 102	
	5,721,912	February 1998	Stepczyk et al.	395	707 618	102
	5,732,260	March 1998	Nomiyama	395 707	605 5	
	5,737,591	April 1998	Kaplan et al.	395 707	605 1	
	5,751,612	May 1998	Donovan et al.	364 703	578 6	
	5,767,854	June 1998	Anwar	345	355 848	
	5,784,544	July 1998	Stevens	395 358	112 1.13	
	5,787,274	July 1998	Agrawal et al.	395 707	618 102	
<i>OSB</i>	5,819,258	October 1998	Vaithyanathan et al.	707	2	

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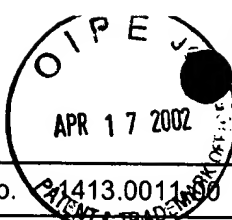
OMB No. 0651-0011

Atty. Docket No.	1413,0611-00	Appln. No.	09/408,716
Applicant Nancy MILLER et al.			
Filing Date	September 30, 1999	Group:	2672

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Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
JB	5,838,973	November 1998	Carpenter-Smith et al.	395 717	701 105	
	5,842,206	November 1998	Sotomayor	707	5	
	5,857,179	January 1999	Vaithyanathan et al.	707	2	
	5,857,185	January 1999	Yamaura	707	5	
	5,861,891	January 1999	Becker	345	483 619	
	5,864,863	January 1999	Burrows	707	103	
	5,873,076	February 1999	Barr et al.	707	3	
	5,907,838	May 1999	Miyasaka et al.	707	4	
	5,913,214	June 1999	Madnick et al.	707	10	
	5,918,010	June 1999	Appleman et al.	395 709	200 33	
	5,926,806	July 1999	Marshall et al.	707	3	
	5,926,820	July 1999	Agrawal et al.	707	200	
	5,930,784	July 1999	Hendrickson	707	2	
	5,930,803	July 1999	Becker et al.	707	104	
	5,945,982	August 1999	Higashio et al.	345 707	203 3	
	5,953,716	September 1999	Madnick et al.	707	4	
	5,963,965	October 1999	Vogel	707	501	
	5,966,139	October 1999	Anupam et al.	345	440	
	5,982,370	November 1999	Kamper	345	356 760	
	5,986,652	November 1999	Medl et al.	345	339 712	
	5,987,470	November 1999	Meyers et al.	707	102	
	5,991,714	November 1999	Shaner	704	9	
	5,999,192	December 1999	Selfridge et al.	345	440	
	5,999,937	December 1999	Ellard	707	101	
	6,012,053	January 2000	Pant et al.	707	3	
	6,014,661	January 2000	Ahlberg et al.	707	3	
JB	6,023,694	February 2000	Kouchi et al.	707	2	

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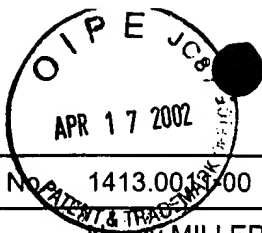
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Atty. Docket No.	1413.0011-000	Appln. No.	09/408,716
Applicant	Nancy MILLER et al.		
Filing Date	September 30, 1999	Group:	2672

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Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
[Signature]	6,026,409	February 2000	Blumenthal	707	104	
	6,029,176	February 2000	Cannon	707	104	
	6,032,157	February 2000	Tamano et al.	707	104	
	6,034,697	March 2000	Becker	345	453 606	
	6,038,538	March 2000	Agrawal et al.	705	7	
	6,038,561	March 2000	Snyder et al.	707	6	
	6,044,366	March 2000	Graffe et al.	707	2	
	6,049,806	April 2000	Crecine	707	200	
	6,058,391	May 2000	Gardner	707	4	
	6,067,542	May 2000	Carino, Jr.	707	4	
	6,073,115	June 2000	Marshall	705	35	
	6,073,138	June 2000	de l'Etraz et al.	707	104	
	6,078,314	June 2000	Ahn	345	169	
	6,078,914	June 2000	Redfern	707	3	
	6,081,788	June 2000	Appleman et al.	705	14	
	6,081,802	June 2000	Atherton et al.	707	3	
	6,085,190	July 2000	Sakata	707	6	
	6,088,032	July 2000	Mackinlay	345	235 848	
	6,092,061	July 2000	Choy	707	1	
	6,094,648	July 2000	Aalbersberg	707	3	
	6,094,649	July 2000	Bowen et al.	707	3	
	6,098,065	August 2000	Skillen et al.	707	3	
	6,100,901	August 2000	Mohda et al.	345	440	
	6,101,493	August 2000	Marshall et al.	707	3	
	6,108,004	August 2000	Medi	345	248 807	
	6,108,651	August 2000	Guha	707	4	
	6,108,666	August 2000	Floratos et al.	707	104	

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OMB No. 0651-0011

Atty. Docket No.	1413.0013.00	Appln. No.	09/408,716
Applicant	Nancy MILLER et al.		
Filing Date	September 30, 1999	Group:	2672

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Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate
JB	6,111,578	August 2000	Tesler	345	356 850	
	6,112,194	August 2000	Bigus	706	11	
	6,112,209	August 2000	Gusack	707	101	
	6,122,636	September 2000	Malloy et al.	707	102	
JB	6,128,624	October 2000	Papierniak et al.	707	104	

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0 202 686 A2	November 1986	Europe	G06F	15/72	

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JB	Cleveland, William S., <u>Visualizing Data</u>, Hobart Press, Summit, New Jersey, 1993
	Nielson, Gregory M. et al., <u>Scientific Visualization</u>, IEEE Computer Society, 1997
	Hobohm, Ilwe et al., "A Sequence Property Approach to Searching Protein Databases", <u>Journal of Molecular Biology</u>, 1995, pp. 390-399
	van Heel, Martin, "A New Family of Powerful Multivariate Statistical Sequence Analysis Techniques", <u>Journal of Molecular Biology</u>, 1991, pp. 877-887
	Becker, Richard A. et al., "Brushing Scatterplots", <u>Technometrics</u>, May 1987, Vol. 29, No. 2, pp. 127-142
JB	Agrafiotis, Dimitris K., "A New Method for Analyzing Protein Sequence Relationships Based on Sammon Maps", <u>Protein Science</u>, vol. 6, 1997, pp. 287-293

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OMB No. 0651-0011

Atty. Docket No. 1413-011-00	Appln. No. 09/408,716
Applicant Nancy MILLER et al.	
Filing Date September 30, 1999	Group: 2672

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DB	Eisen, Michael B. et al., "Cluster Analysis and Display of Genome-Wide Expression Patterns," Proc. Nat'l. Acad. Sci., USA, vol. 95, 1998, pp. 1483-1486
	"Silicon Graphics MineSet™, Supporting the Discovery Research Process," MineSet for Discovery Research, Spring 1999, pp 1-49
	"Spotfire Pro 4.0 - Speeding Discovery", visited at http://www.spotfire.com/of_2_1.htm on 6/17/99, 2 pages
	"Spotfire Pro -- Offerings -- Spotfire", visited at http://www.spotfire.com/of on 6/17/99, 2 pages
	"Discovery Innovation - Spotfire", visited at http://www.spotfire.com/di_1_1.htm on 6/17/99, 1 page
	"Discovery Innovation - Spotfire", visited at http://www.spotfire.com/di_1_1_4.htm on 6/17/99, 1 page
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	"Cheminformatics Example", visited at http://www.partek.com/chem/index.html on 4/15/99, 1 page
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	"Variable Transformation", visited at http://www.partek.com/chem/tx.html on 4/15/99, 1 page
	"Visualization of High Dimensional Data", visited at http://www.partek.com/chem/viz.html on 4/15/99, 3 pages
	"Correlating Activities w/Structural Descriptors", visited at http://www.partek.com/chem/cor.html on 4/15/99, 6 pages
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OMB No. 0651-0011

Atty. Docket No.	1413, 00 MPD PATENT & TRADEMARK 1413-00	Appln. No.	09/408,716
Applicant	Nancy MILLER et al.		
Filing Date	September 30, 1999	Group:	2672

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	U.S. Application No. 09/409,260 - Jeffrey Saffer et al. - filed September 30, 1999
	U.S. Application No. 09/410,367 - Jeffrey Saffer et al. - filed September 30, 1999
Examiner	Date Considered 7/26/2002
*Examiner:	Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
Form PTO 1449 Patent and Trademark Office - U.S. Department of Commerce	

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Atty. Docket No.	01413.0011-00	Appln. No.	09/408,716
Applicant	Nancy E. MILLER et al.		
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U.S. PATENT DOCUMENTS

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	Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No
DB	WO99/27495	June 3, 1999	PCT	G06T	11/000	
DB	0 717 346 A2	June 19, 1996	Europe	G06F	3/033	
DB	0 627 692 A1	July 12, 1994	Europe	G06F	15/403	

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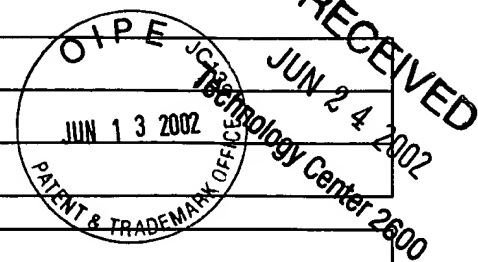
Higgins, Desmond G., "Sequence ordinations: a multivariate analysis approach to analyzing large sequence data sets," <u>Comput. Appl. Biosc.</u> , vol. 8, 1992, pp. 15-22

Examiner <i>J. Blakemore</i>	Date Considered <i>7/29/2002</i>
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*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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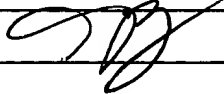
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Examiner Initial*	Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS

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	Bertin, Jacques, <u>Semiology of Graphics</u> , University of Wisconsin Press, 1983

Examiner 	Date Considered <u>7/26/2002</u>
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	
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